

INTERNATIONAL SEARCH REPORT

In ☐ national Application No
PCT/EP2004/009067

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/63 C12N15/21 C07K14/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, MEDLINE, EMBASE, CHEM ABS Data, SCISEARCH, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>BOURDINEAUD J P ET AL: "CYTOPLASMIC AND PERIPLASMIC EXPRESSION OF A SYNTHETIC GENE FOR FERREDOXIN IN ESCHERICHIA-COLI" BIOCHIMIE (PARIS), vol. 72, no. 6-7, 1990, pages 407-415, XP002316190. ISSN: 0300-9084 *Whole document, in particular: Abstract; page 410, left hand column, last paragraph-page 411, right hand column, first full paragraph; Discussion and figure 3*</p> <p style="text-align: center;">----- -/--</p>	1-41

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

18 February 2005

Date of mailing of the international search report

04/03/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WEICKERT M J ET AL: "OPTIMIZATION OF HETEROLOGOUS PROTEIN PRODUCTION IN ESCHERICHIA COLI" CURRENT OPINION IN BIOTECHNOLOGY, LONDON, GB, vol. 7, no. 5, 1996, pages 494-499, XP000995157 ISSN: 0958-1669 *Whole document, in particular: Abstract and table 1*	1-41
A	----- HUMPHREYS D P ET AL: "High-Level Periplasmic Expression in Escherichia coli Using a Eukaryotic Signal Peptide: Importance of Codon Usage at the 5' End of the Coding Sequence" PROTEIN EXPRESSION AND PURIFICATION, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 20, no. 2, November 2000 (2000-11), pages 252-264, XP004435483 ISSN: 1046-5928 *whole document, in particular: Abstract, table 1 and figure 1*	1-41
A	----- MATSUDA A ET AL: "MOLECULAR CLONING AND STRUCTURE OF THE GENE FOR 7-BETA-4 CARBOXYBUTANAMIDOCEPHALOSPORANIC-ACID ACYLASE FROM A PSEUDOMONAS STRAIN" JOURNAL OF BACTERIOLOGY, vol. 163, no. 3, 1985, pages 1222-1228, XP002316191 ISSN: 0021-9193 *Whole document, in particular: Abstract and figure 5*	1-41
A	----- US 5 710 027 A (HAUPTMANN ET AL) 20 January 1998 (1998-01-20) *whole document, in particular: Abstract and claims*	1-41

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/009067

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5710027	A	20-01-1998	DE 4329756 A1	09-03-1995
			CA 2124271 A1	27-11-1994
			CN 1099799 A	08-03-1995
			EP 0626448 A2	30-11-1994
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			PL 303611 A1	27-12-1994

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